

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP PROGRAM  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

<b>PROJECT INFORMATION</b>	
<b>Project Title:</b> Unit 4B Horse Trap/Larsen Prescribed Burn	<b>Project No.</b> 07-109
<b>Region/GMU:</b> Region I / Unit 4B	<b>HPC:</b> Winslow
<b>Project Type:</b> Prescribed Burning	
<b>Project Description:</b> The Horse Trap/Larson burn project is a 1,100 acre area on which approximately 4,000 acres have already been burned. This proposal, if funded, will complete this project. The broadcast burning has been designed to improve wildlife habitat by enhancing and increasing the number of small openings and grasses, herbaceous plants, and shrubs. Elk, deer, turkeys and black bear are found throughout the area. This area in Unit 4B has much potential due to its location adjacent to Chevelon Canyon. Chevelon Canyon has lots of topographic relief, perennial water, good cover (hiding and thermal), and good annual mast production.	
<b>Wildlife Species to Benefit:</b> Elk, Deer (Mule & Whitetail), Turkey and Bear	
<b>Possible Funding Partners:</b>	
<b>Implementation Schedule:</b> <b>Beginning:</b> <b>Completed:</b>	<b>NEPA Compliance: (if applicable)</b> <b>Completed:</b> Yes <u>X</u> No ____ <b>Projected Completion Date:</b> 2004
<b>PROJECT FUNDING</b>	
<b>SBG Funds Requested:</b> \$33,000.00 (\$30/acre)	
<b>Cost Share Funds:</b> \$XXXX.00 (NEPA, Administration, Arch. Surveys, T&E Surveys, etc.)	
<b>Total Project Costs:</b> \$XXXXX.00	
<b>PARTICIPANT INFORMATION</b>	
<b>Applicant:</b> Bob Birkeland (please print) <b>Telephone:</b> 928.369.0020	<b>Address:</b> 2878 E. White Mtn Blvd Pinetop, AZ 85935
<b>AGFD Contact and Phone No.</b> <b>(If applicant is not AGFD personnel)</b>	
<b>Coordinated with:</b> FS / Black Mesa Ranger District (Overgaard)	<b>Date:</b> July 25, 2000
<b>Applicant's signature:</b>	<b>Date:</b>

**SEND COMPLETED APPLICATIONS TO:**

Game Branch  
2221 W. Greenway Rd.  
Phoenix, AZ 85023  
mdisney@azgfd.gov

**WAS PROJECT PRESENTED TO THE LOCAL HPC?** YES X NO \_\_\_\_

Presented in 2004; and will be discussed during fall meeting.

(revised 7-02-2007)

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?**

Yes, and was not funded.

**NEED STATEMENT/PROBLEM ANALYSIS:**

Overstocked forests have lowered browse quantity and quality in the area. Currently, the tree densities are high and continue to increase. This has reduced forage production and caused plant vigor to decline. There has been chronic poor recruitment, survival of elk calves, deer fawns, and turkey poults, in this area of Unit 4B; probably due poor range conditions.

This project has been identified in Region I's District Habitat Management Plan for Unit 4B. It has been identified by Regional Wildlife and Habitat Managers as being a priority for Region I. Priorities are based upon a collaborative approach to identify and prioritize wildlife habitat improvements. AGFD Region I personnel involved include: Bob Birkeland (Field Supervisor), Evan Lautzenheiser (Wildlife Manager 4B), Dave Dorum (Habitat Program Manager), Chris Bagnoli (Habitat Specialist).

**PROJECT OBJECTIVES:**

The main project objective is to improve wildlife habitat conditions by enhancing forage (grasses and forbs) and browse species. Burning should stimulate new plant growth and increase nutritional value which will increase recruitment of elk, deer, and turkeys.

**PROJECT STRATEGIES:**

Broadcast burning will be implemented to kill trees and reduce forest litter. This will create openings in the forest and reduce litter in order to promote grass and forb production and species composition. Fire is also known to enhance browse species such as aspen regeneration and ceanothus. Openings will generally be between 1/10<sup>th</sup> and one acre in size.

**PROJECT LOCATION:**

Game Management Unit 4B / Apaches Sitgreaves National Forest / Horse Trap Wildlife Habitat Area / East of Chevelon Canyon and West of Forest Lakes / Coconino County (See Attached Map)

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**

Apache Sitgreaves National Forest

**IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT? Not Applicable**

**HABITAT DESCRIPTION:**

The project area borders Chevelon Canyon and is within Horse Trap Wildlife Habitat Area, and the habitat

(revised 7-02-2007)

can be described as: Mixed Conifer, Ponderosa Pine, and Pine-Oak Woodlands.

### ITEMIZED USE OF FUNDS:

#### Forest Service Share:

1. NEPA Completion =
2. archeological surveys = (Sample survey of 1,100 acres @ \$2.50/ac) \$2,750
3. T&E species surveys = (\$1.25/ac @ 1,100 acres) \$1,375
4. Burn Plan Preparation = (xx days @ \$240) \$
5. Pre-burn smoke requests, approvals, and reporting = (xx days @ \$200) \$
6. Burn block reconnaissance and layout = (xx days @ \$240) \$
7. 1 Type 6 Engine F.O.R. (xxx at \$360/month) = \$
8. 1 Patrol truck F.O.R. (xxxx at \$265/month) = \$4,770
9. Fuel costs for vehicles (ave xxx miles per day, 12 mi/gal, 3 vehicles per day) = (xx days per year, xx days total) = \$
10. Misc supplies (drip torches, PPE, fusees, gloves, tools) = (\$xx/yr) \$xxxx
11. Overhead (Burn Boss, Ignition Specialist, and District Duty Officer) = (xxx days per year @ \$240/day/person x xxx people) \$xxxxxx

TOTAL USFS Contribution = \$xxxxxx

### LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

The USFS is the primary workforce. All monitoring, burn plan preparation, archeological surveys, line reconnaissance and preparation, burn implementation, mop up, resource coordination, tracking of budget, and reporting will be coordinated and conducted by the USFS.

### PROJECT MONITORING PLAN:

Monitoring will consist of photograph monitoring, which will display a set of photos of pre-work conditions and also a set of photos taken after the project has been completed. As well as data provided by Region I AGFD on forage utilization and game management data (elk calf survival, deer fawn survival, and turkey numbers).

### PROJECT MAINTENANCE:

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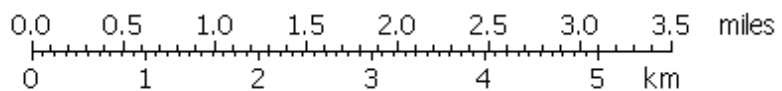
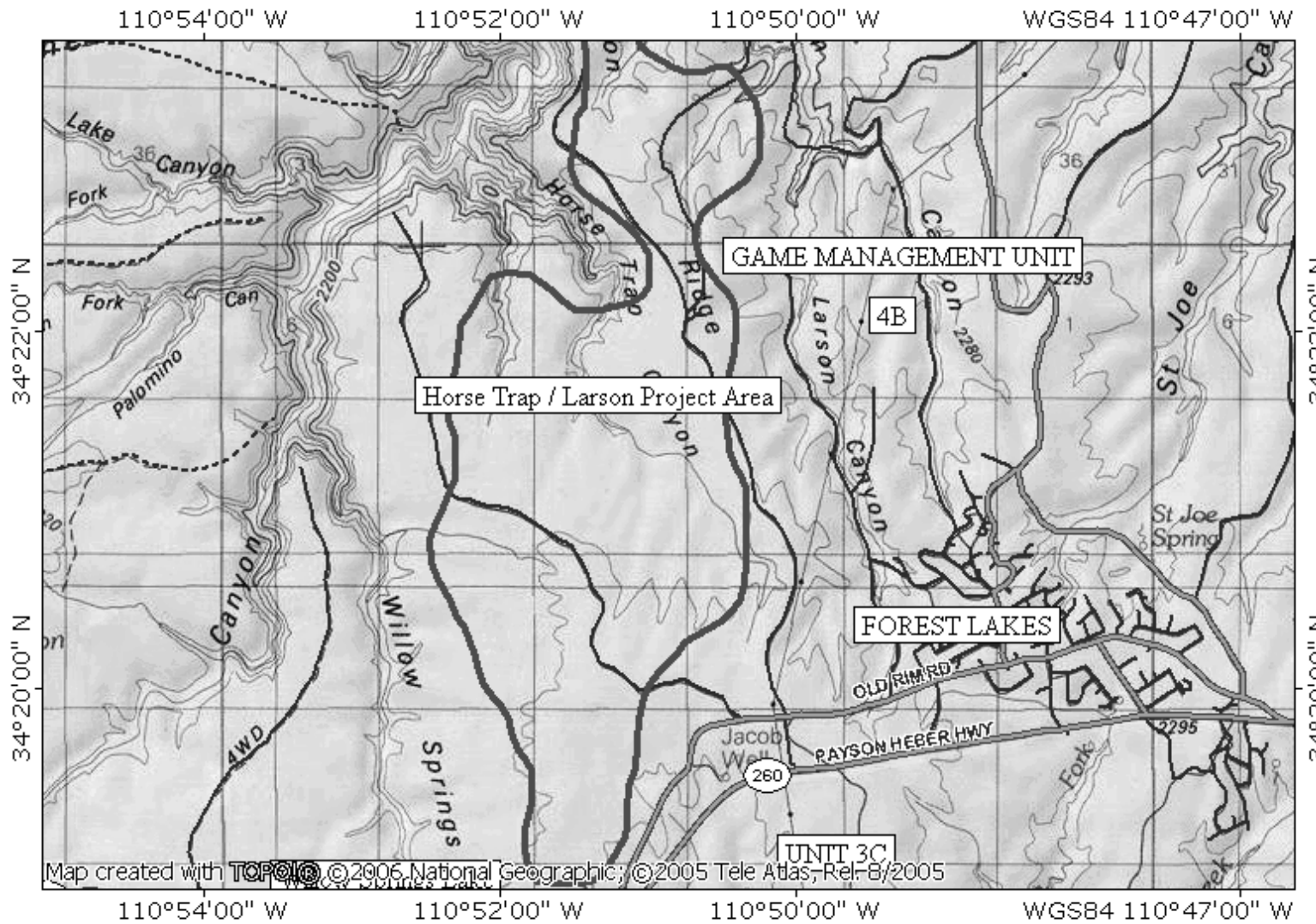
### PROJECT COMPLETION REPORT TO BE FILED BY:

Bob Birkeland – Arizona Game and Fish Department – Region I, Pinetop

**WATER DEVELOPMENT PROJECTS (see attached worksheet):** Not Applicable

**TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet): Not Applicable**

TOPO! map printed on 08/31/07 from "Horse Trap Larson Burn - 2007.tpo"



TN \* MN  
11½°  
08/31/07